

ABSTRACT OF THE DISCLOSURE

The present invention relates to an electrically conductive element (e.g. bipolar plate) for a fuel cell which has an improved adhesive bond. The conductive element generally comprises a first and a second conductive sheet, each having a surface that confront one another. The surfaces that confront one another are overlaid with an electrically conductive primer coating providing corrosion protection and low contact resistance to said first and said second sheets respectively in regions where the first and second sheets contact one another. The first and said second coated surfaces are joined to one another by an electrically conductive adhesive which provides adhesion of said first and said second coated surfaces of said sheets at the contact region. Further, the present invention contemplates methods to form such an improved bond in an electrically conductive element.